



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
)	
Young-sin PARK et al.)	Group Art Unit: Unassigned
)	
Application No.: New Application)	Examiner: Unassigned
)	
Filed: Herewith)	
)	
For: ANODE THIN FILM FOR LITHIUM)	
SECONDARY BATTERY AND)	
PREPARATION METHOD THEREOF)	
)	

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

- 1) U.S. Patent No. 5,618,640
- 2) U.S. Patent No. 6,203,944
- 3) Yoshio Idota, et al., "Tin-Based Amorphous Oxide: A High Capacity Lithium-Ion Storage Material", Science, 276 (1997) 1395-1397
- 4) Mao et al., "Mechanically Alloyed Sn-Fe(-C) Powders as Anode Materials for Li-Ion Batteries", J. Electrochem. Soc., 146(2) (1999) 405-413
- 5) Beaulieu et al., "The Reaction of Lithium with Sn-Mn-C Intermetallics Prepared by mechanical Alloying", J. Electrochem. Soc., 147 (9) (2000) 3237-3241
- 6) Kepler et al., "Li_xCu₆Sn₅ (0 < x < 13): An Intermetallic Insertion Electrode for Rechargeable Lithium Batteries", Electrochem. Solid-State Lett., 2 (7) (1999) 307-309
- 7) Yang et al., "Sub-Microcrystalline Sn and Sn-SnSb Powders as Lithium Storage Materials for Lithium Ion Batteries", Electrochem. Solid-State Lett., 2 (4) (1999) 161-163

8) Yang et al. "Ultrafine Sn and $\text{SNSb}_{0.14}$ Powders for Lithium Storage Materials in Lithium-Ion Batteries", J. Electrochem. Soc., 146 (11) (1999) 4009-4013

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: 

Charles F. Wieland III
Registration No. 33,096

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: January 10, 2002

Substitute for form 1449A/PTO

ATTORNEY'S DKT NO.
030681-346APPLICATION NO.
New Application

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 APPLICANT
 Yang-sing PARK et al.
 FILING DATE
 Herewith

 GROUP
 Unassigned


U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
	5,618,640		Idota et al.	
	6,203,944		Turner et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Yoshio Idota, et al., "Tin-Based Amorphous Oxide: A High Capacity Lithium-Ion Storage Material", Science, 276 (1997) 1395-1397
	Mao et al., "Mechanically Alloyed Sn-Fe(-C) Powders as Anode Materials for Li-Ion Batteries", J. Electrochem. Soc., 146(2) (1999) 405-413
	Beaulieu et al., "The Reaction of Lithium with Sn-Mn-C Intermetallics Prepared by mechanical Alloying", J. Electrochem. Soc., 147 (9) (2000) 3237-3241
	Kepler et al., "Li _x Cu ₆ Sn ₅ (0 < x < 13): An Intermetallic Insertion Electrode for Rechargeable Lithium Batteries", Electrochem. Solid-State Lett., 2 (7) (1999) 307-309
	Yang et al., "Sub-Microcrystalline Sn and Sn-SnSb Powders as Lithium Storage Materials for Lithium Ion Batteries", Electrochem. Solid-State Lett., 2 (4) (1999) 161-163
	Yang et al. "Ultrafine Sn and SNSb _{0.14} Powders for Lithium Storage Materials in Lithium-Ion Batteries", J. Electrochem. Soc., 146 (11) (1999) 4009-4013
Examiner Signature	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.